

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.: S-99,917

First Inventor or Application Identifier: John Galbraith

Title: VISION-BASED OBSTACLE AVOIDANCE

Express Mail Label No.: ER311841353US

U.S.P.T.O.
10/689924
10/17/03**APPLICATION ELEMENTS**

1. * Fee Transmittal Form (e.g. PTO/SB/17) (submit an original and a duplicate for fee processing)
2. Applicant claims small entity status. See 37 CFR 1.27.
3. Specification [Total Pages: 34]
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to sequence listing, a table or a computer program listing appendix
 - Background of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawings(s) (35 U.S.C.113) [Total Sheets: 7]
 - Formal
 - Informal
5. Declaration & Power of Attorney [Total Pages: 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R.§.63(d) (for continuation/divisional with Box 16 completed))
 - c. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

6. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & documentation)
9. 37 C.F.R.§3.73(b) Statement Power of Attorney
10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
11. Preliminary Amendment
12. Return Receipt Postcard (MPEP 503) (should be specifically itemized)
13. Certified Copy of Priority Document(s) (if foreign priority is claimed)
14. Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)
15. Other: Compact Discs (2)

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application S.N. _____ / _____.

Prior application information: Examiner:

Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

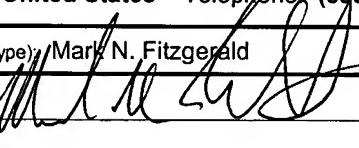
16. CORRESPONDENCE ADDRESS

Customer Number OR Correspondence Address Below

35068

Name: Mark N. Fitzgerald
 Address: Los Alamos National Laboratory
 LC/IP, MS A187
 City: Los Alamos State: New Mexico Zip Code 87545
 Country United States Telephone: (505) 665-5187 Fax: (505) 665-4424

Name (Print/Type): Mark N. Fitzgerald Registration No. (Attorney/Agent): 48,300

Signature:  Date: 10/17/2003

FEE TRANSMITTAL For FY 2004

*Patent fees are subject to annual revision
(submit an original and a duplicate for fee processing)*

Complete if Known	
Application Number:	
Filing Date:	
First Named Inventor:	John Galbraith
Examiner Name:	
Group/Art Unit:	
Attorney Docket No.:	S-99,917

METHOD OF PAYMENT

- The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
Deposit Account Number: 12-2150
Deposit Account Name: Los Alamos National Laboratory
- Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17
- Applicant claims small entity status.
See 37 CFR 1.27

FEE CALCULATION (continued)**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$770	\$385	Utility filing fee	385
\$770	\$385	Reissue filing fee	
\$160	\$80	Provisional filing fee	
SUBTOTAL (1)		\$385	

2. EXTRA CLAIM FEES

Extra Claims	Fee from Fee Paid Below
Total Claims 4 -20** =	0 X 0 = 0
Independent 2 -3 ** =	0 X 0 = 0
Claims	
Multiple Dependent	=

*** or number previously paid, if greater; For Reissues, see below*

Large Entity Fee	Small Entity Fee	Fee Description
\$18	\$9	Claims in excess of 20
\$86	\$43	Independent claims in excess of 3
\$290	\$145	Multiple dependent claim, if not paid.
\$86	\$43	** Reissue independent claims over original patent
\$18	\$9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		\$0

3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$130	\$65	Surcharge – late filing fee or oath	
\$50	\$25	Surcharge – late provisional filing fee or cover sheet	
\$2,520	\$2,520	For filing a request for reexamination	
\$110	\$55	Extension for reply within first month	
\$420	\$210	Extension for reply within second month	
\$950	\$475	Extension for reply within third month	
\$1,480	\$740	Extension for reply within fourth month	
\$2,010	\$1,005	Extension for reply within fifth month	
\$330	\$165	Notice of Appeal	
\$330	\$165	Filing a brief in support of an appeal	
\$290	\$145	Request for oral hearing	
\$110	\$55	Petition to revive – unavoidable	
\$110	\$55	Terminal Disclaimer	
\$1,330	\$665	Petition to revive – unintentional	
\$130	\$130	Petitions to the Commissioner	
\$ 50	\$50	Petitions related to provisional applications	
\$ 180	\$180	Submission of Information Disclosure Statement	
\$770	\$385	Filing a submission after final rejection (37 CFR 1.129 (a))	
\$770	\$385	For each additional invention to be examined (37 CFR 1.129(b))	
\$100	\$100	Certificate of Correction	
\$300	\$300	Publication fee for early, voluntary, or normal publication	
\$770	\$385	Request for Continued Examination (RCE)	
Other fee (specify) _____			
SUBTOTAL (3)		\$0	
Reduced by Basic Filing Fee Paid			
SUBTOTAL FROM 1		\$385	
SUBTOTAL FROM 2		\$0	
SUBTOTAL FROM 3		\$0	
TOTAL AMOUNT OF PAYMENT		\$385	

SUBMITTED BY

Printed Name:	Mark N. Fitzgerald	Complete (if applicable)
Signature:		Reg. No. 48,300
	Date: 10/17/03	Telephone (505)665-5187